DOCKET NO.: JANS-0076/JAB1730F PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Frans E. Janssens, et al. Confirmation No.: 6412

Application No.: 10/540,304 Group Art Unit: 1624

Filing Date: June 21, 2005 Examiner: Emily B. Bernhardt

For: SUBSTITUTED 1-PIPERIDIN-4-YL-4-AZETIDIN-3-YL-PIPERAZINE DERIVATIVES AND THEIR USE AS NEUROKININ ANTAGONISTS

ELECTRONICALLY FILED DATE OF DEPOSIT: June 1, 2007

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or

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before the mailing date of a first Office Action after the filing of request for

continued examination under § 1.114, no additional fee is required.

Copies of reference numbers **4-51** listed on the attached Form PTO-1449 are

enclosed herewith.

Copies of reference numbers 1-3 on the attached Form PTO 1449 are not

required to be submitted pursuant to 37 CFR § 1.98(a)(2)(ii).

The relevance of those listed references which are not in the English language is as

follows:

U.S. Patent No. 5,310,743 (Reference number 1) is an English language equivalent

for EP 0 532 456 A1 (Reference No. 8).

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-

3050.

Date: June 1, 2007

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Docket No. Application No. Form PTO-1449 Modified 10/540,304 JANS-0076/JAB1730f List of Patent and Publications Applicant Cited by Applicant Frans E. Janssens, et al. (Use several sheets if necessary) U.S. Department of Commerce Filing Date Group Patent and Trademark Office June 21, 2005 1624 Confirmation No. 6412 **U. S. PATENT DOCUMENTS**

Examiner		Document				
Initial		No.	Date	Name	Class	Subclass
	1	5,310,743	05/10/94	Schilling et al.	514	311
	2	5,541,195	07/30/96	Schilling et al.	514	311
	3	5,646,144	07/08/97	Schilling et al.	514	241

FOREIGN PATENT DOCUMENTS

Examiner					Transla	ation
Initial		Document No.	Date	Country	YES	NO
	4	01/30348 A1	05/03/01	WO	X	
	5	02/062784 A1	08/15/02	WO	X	
	6	02/32867 A1	04/25/02	WO	X	
	7	97/16440 A1	05/09/97	WO	X	
	8	0 532 456 A1	03/17/93	EP		X

EXAMINER	DATE CONSIDERED	

Form PTO	-1449 Modified	Docket No. JANS-0076/JAB1730f	Application No. 10/540,304
Cited b	t and Publications by Applicant sheets if necessary)	Applicant Frans E. Janssens, et al.	
	nent of Commerce Trademark Office	Filing Date June 21, 2005	Group 1624
		Confirmation No. 6412	
NON-PAT	ENT DOCUMENTS (In	cluding Author, Title, Date	, Pertinent Pages, Etc.)
9		l gray on the behaviour of ra	e neuropeptide substance P in ts in the plus-maze test,"
10	Antiemetic Subcommittee, "Prevention of chemotherapy- and radiotherapy-induced emesis: results of the Perugia Consensus Conference. Antiemetic Subcommittee of the Multinational Association of Supportive Care in Cancer (MASCC)," <i>Annals Oncol.</i> , 1998, 9(8), 811-819		
11	Arvanitis, L., "Efficacy and Tolerability of Four Novel Compounds in Schizophrenia: Results of the Metatrial Project," <i>ACNP Meeting</i> , December 10, 2001, Abstract 144, p. 178		
12	Ballard, T. M. et al., "Inhibition of shock-induced foot tapping behaviour in the gerbil by a tachykinin NK ₁ receptor antagonist," <i>Eur. J. Pharmacol.</i> , Feb. 2001, 412(3), 255-264		
13	Bertand, C. et al., "Tachykinin and kinin receptor antagonists: therapeutic perspectives in allergic airway disease," <i>Trends Pharmacol. Sci.</i> , 1996, 17(7), 255-259		
14	Brodin, E. et al., "Effects of sequential removal of rats from a group cage, and of individual housing of rats, on substance P, cholecystokinin and somatostatin levels in the periaqueductal grey and limbic regions," <i>Neuropeptides</i> , Apr. 1994, 26(4), 253-260		
15	Campos et al., "Prevention of cisplatin-induced emesis by the oral neurokinin-1 antagonist, MK-869, in combination with granisetron and dexamethasone or with dexamethasone alone," <i>J. Clin. Oncol.</i> , 2001, 19, 1759-1767		
16	Cocquyt, V. et al., "Comparison of L-758,298, a prodrug for the selective neurokinin-1 antagonist, L-754,030, with ondansetron for the prevention of cisplatin-induced emesis," <i>Eur. J. Cancer</i> , May 2001, 37(7), 835-842		n for the prevention of cisplatin-
17	Culman, J. et al., "Central tachykinins: mediators of defence reaction and stress reactions," <i>Can. J. Physiol. Pharmacol.</i> , 1995, 73(7), 885-891		

EXAMINER	DATE CONSIDERED

Form PTO	-1449 Modified	Docket No. JANS-0076/JAB1730f	Application No. 10/540,304
Cited b	at and Publications by Applicant sheets if necessary)	Applicant Frans E. Janssens, et al.	
	nent of Commerce Γrademark Office	Filing Date June 21, 2005	Group 1624
		Confirmation No. 6412	
NON-PAT	ENT DOCUMENTS (In	cluding Author, Title, Date	, Pertinent Pages, Etc.)
18	prophylaxis of acute and	nsetron compared with high-odd delayed cisplatin-induced nowed to the study of the	ausea and vomiting. A
19	Elliott, P.J., "Place aversion induced by the substance P analogue, dimethyl-C7, is not state dependent: implication of substance P in aversion," <i>Exp. Brain Res.</i> 1988, 73(2), 354-356		
20	Giardina, G. et al., "Recent Advances in neurokinin-3 receptor antagonists," <i>Exp. Opin. Ther. Patents</i> , 2000, 10(6), 939-960		3 receptor antagonists," <i>Exp</i> .
21	Hesketh et al., "Proposal for classifying the acute emetogenicity of cancer chemotherapy," <i>J. Clin. Oncol.</i> , 1997, 15(1), 103-109		•
22	Hesketh et al., "Randomized phase II study of the neurokinin 1 receptor antagonist CJ-11,974 in the control of cisplatin-induced emesis," <i>J. Clin. Oncol.</i> , 1999, 17, 338-343		· •
23		istinct mechanism for antide ptors," <i>Science</i> , 1998, 281(5)	pressant activity by blockade of 383), 1640-1645
24	•	P is involved in the sensitizatin rats," <i>Behav. Brain. Res.</i> ,	
25	Kris et al., "Incidence, course, and severity of delayed nausea and vomiting following the administration of high-dose cisplatin," <i>J. Clin. Oncol.</i> , 1985, 3, 1379-1384		
26	Lejeune, F. et al., "Selective, non-peptidergic Neurokinin ₁ (NIK ₁) Antagonists Enhance the Activity of Frontocortical Dopaminergic and Adrenergic, but not Serotonergic, Pathways in Rats," <i>Abstracts Soc. Neurosci.</i> , Abstract No. 477.1, November 2001, p. 1253		e and Adrenergic, but not
27	7 Longmore, J. et al., "Neurokinin Receptors," <i>DN&P</i> , 1995, 8(1), 5-23		, 1995, 8(1), 5-23
28	Lundberg, J. M., "Tachy <i>Physiol. Pharmacol.</i> , 19	•	asthmaan overview," Can. J.
29	Maggi, C. A. et al., "The dual nature of the tachykinin NK ₁ receptor," <i>Trends Pharmacol. Sci.</i> ,1997, 18(10), 351-355		n NK ₁ receptor," <i>Trends</i>

EXAMINER	DATE CONSIDERED
	O 000 F 77 F 77

Form PTC	0-1449 Modified	Docket No. JANS-0076/JAB1730f	Application No. 10/540,304	
Cited	nt and Publications by Applicant sheets if necessary)	Applicant Frans E. Janssens, et al.		
	ment of Commerce Trademark Office	Filing Date June 21, 2005	Group 1624	
		Confirmation No. 6412		
NON-PAT	ENT DOCUMENTS (Ir	ncluding Author, Title, Date	e, Pertinent Pages, Etc.)	
30	Maggi, C. A., "The man 26(5), 911-944	mmalian tachykinin receptors	s," Gen. Pharmacol., 1995,	
31		n Improved Method for Red opropoxide and Sodium Cya	uctive Alkylation of Amines noborohydride," <i>J. Org. Chem.</i> ,	
32	Megens, A. A. et al., "Pharmacological profile of (2R-trans)-4-[1-[3,5-bis(trifluoromethyl)benzoyl]-2-(phenylmethyl)-4-piperidinyl]-N-(2,6-dimethylphenyl)-1-acetamide (S)-Hydroxybutanedioate (R116301), an orally and centrally active neurokinin-1 receptor antagonist," <i>J. Pharmacol. Exp. Ther.</i> , 2002, 302(2), 696-709			
33	Navari, R. M. et al., "Reduction of cisplatin-induced emesis by a selective neurokinin-1-receptor antagonist. L-754,030 Antiemetic Trials Group," <i>N. Engl. J. Med.</i> , 1999, 340(3), 190-195			
34	Naylor, R. J. et al., "En	nesis and anti-emesis," Cance	er Surv., 1994, 21, 117-135	
35	1 1	Okano, S. et al., "Effects of TAK-637, a novel neurokinin-1 receptor antagonist, on colonic function in vivo," <i>J. Pharmacol. Exp. Ther.</i> , 2001, 298(2), 559-564		
36	Piedimonte, G. et al., "A new NK ₁ receptor antagonist (CP-99,994) prevents the increase in tracheal vascular permeability produced by hypertonic saline," <i>J. Pharmacol. Exp. Ther.</i> , 1993, 266, 270-273			
37	Regoli, D. et al., "Receptors and antagonists for substance P and related peptides," <i>Pharmacol. Rev.</i> , 1994, 46(4), 551-599		stance P and related peptides,"	
38	Roila, F. "Ondansetron plus dexamethasone compared to the 'standard' metoclopramide combination," <i>Oncology</i> , 1993, 50(3), 163-167			
39	Rudd, J. A. et al., "Effects of 5-HT ₃ receptor antagonists on models of acute and delayed emesis induced by cisplatin in the ferret," <i>Neuropharmacology</i> , 1994, 33(12), 1607-1608			
40	Rudd, J. A. et al., "The action of the NK ₁ tachykinin receptor antagonist, CP 99,994, in antagonizing the acute and delayed emesis induced by cisplatin in the ferret," <i>Br. J. Pharmacol.</i> , 1994, 119(5), 931-936			

EXAMINER	DATE CONSIDERED
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Form PTO	-1449 Modified	Docket No. JANS-0076/JAB1730f	Application No. 10/540,304
Cited b	t and Publications by Applicant sheets if necessary)	Applicant Frans E. Janssens, et al.	
	nent of Commerce Frademark Office	Filing Date June 21, 2005	Group 1624
		Confirmation No. 6412	
NON-PAT	ENT DOCUMENTS (Inc	cluding Author, Title, Date,	Pertinent Pages, Etc.)
41		Discovery of the antidepressar (1) antagonists," <i>Trends Pho</i>	nt and anti-emetic efficacy of armacol. Sci., 1999, 20(12),
42	Sam, T. S. et al., "Action of glucocorticoids to antagonise cisplatin-induced acute and delayed emesis in the ferret," <i>Eur. J. Pharmacol.</i> , 2001, 417(3), 231-237		
43	Shirayama, Y. et al., "Reduction of substance P after chronic antidepressants treatment in the striatum, substantia nigra and amygdala of the rat," <i>Brain Res.</i> , 1996, 739(1-2), 70-78		
44	Stella, V. J. et al., "Prodrugs. Do they have advantages in clinical practice?" <i>Drugs</i> , 1985, 29, 455-473		
45	Stella, V. J. et al., "Prodrugs", <i>Drug Delivery Systems</i> , 1985, pp. 112-176		
46	Tattersall, F. D. et al., "Tachykinin NK ₁ receptor antagonists act centrally to inhibit emesis induced by the chemotherapeutic agent cisplatin in ferrets," <i>Neuropharmacol.</i> , 1996, 35(8), 1121-1129		
47	Tattersall, F. D. et al., "The novel NK ₁ receptor antagonist MK-0869 (L-754,030) and its water soluble phosphoryl prodrug, L-758,298, inhibit acute and delayed cisplatin-induced emesis in ferrets," <i>Neuropharmacology</i> , 2000, 39(4), 652-663		
48	Teixeira, R. M. et al., "Effects of central administration of tachykinin receptor agonists and antagonists on plus-maze behavior in mice," <i>Eur. J. Pharmacol.</i> , 1996, 311, 7-14		
49	Tonini, M. et al., "Tachykinin-dependent and -independent components of peristalsis in the guinea pig isolated distal colon," <i>Gastroenterol.</i> , 2001, 120, 938-945		
50	Watson, J. W. et al., "The anti-emetic effects of CP-99,994 in the ferret and the dog: role of the NK ₁ receptor," <i>Br. J. Pharmacol.</i> , 1995, 115, 84-94		
51	Wilson, C. O. et al., (Ed.), <i>Textbook of Organic Medicinal and Pharmaceutical Chemistry</i> , Seventh Edition, 1977, J. B. Lippincott Company, pp. 70-75		

EXAMINER	DATE CONSIDERED
	2007 1111